## IN THE CLAIMS:

A clean set of claims as currently pending is as follows.

- 1. A method of monitoring processor resources, said method comprising: determining a set of needed resources for a block of code; testing if said set of resources are available at a start of said block of code; and signaling an error if said set of resources needed for said block of code are not available.
  - 2. The method as claimed in claim 1, said method further comprising: determining a set of available resources that will be available after said block of code has executed.
- 3. The method as claimed in claim 1 wherein said needed resources comprise stack contents .
- 4. The method as claimed in claim 1 wherein said set of needed resources is determined at a compile time.

5.	The method as claimed in claim 1 wherein said set of needed
resources is determined dynamically.	
resources is	determined dynamicany.

- 6. The method as claimed in claim 1 wherein signaling said error if said set of resources needed for said block of code are not available comprises branching to a fault handler routine.
- 7. The method as claimed in claim 6 wherein signaling said fault handler routine simulates a processor exception.
- 8. The method as claimed in claim 1 wherein needed resources are represented by a bit vector.
- 9. The method as claimed in claim 8 wherein said bit vector is generated dynamically.
- 10. A computer-readable medium having stored thereon a set of instructions to monitor processor resources, said set of instruction, which when executed by a processor, cause said processor to perform a method comprising:

determining a set of needed resources for a block of code; testing if said set of resources are available at a start of said block of code; and signaling an error if said set of resources needed for said block of code are not available.

11. The computer-readable medium as claimed in claim 10, wherein said set of instructions further includes additional instructions, which when executed by said processor, cause said processor to perform said method further comprising:

determining a set of available resources that will be available after said block of code has executed.

- 12. The computer-readable medium as claimed in claim 10 wherein said needed resources comprise stack contents .
- 13. The computer-readable medium as claimed in claim 10 wherein said set of needed resources is determined at a compile time.

14.	The computer-readable medium as claimed in claim 10 wherein
said set of ne	eded resources is determined dynamically.

- 15. The computer-readable medium as claimed in claim 10 wherein signaling said error if said set of resources needed for said block of code are not available comprises branching to a fault handler routine.
- 16. The computer-readable medium as claimed in claim 15 wherein signaling said fault handler routine simulates a processor exception.
- 17. The computer-readable medium as claimed in claim 10 wherein needed resources are represented by a bit vector.
- 18. The computer-readable medium as claimed in claim 17 wherein said bit vector is generated dynamically.
- 19. A computer-readable medium, having stored thereon a first set of instructions, the first set of instructions, which when executed by a processor, generate a second set of instructions through a binary translation process, the

second set of instructions when executed by the processor, cause said processor to perform a method comprising:

determining a set of needed resources for a block of code; testing if said set of resources are available at a start of said block of code; and signaling an error if said set of resources needed for said block of code

are not available.

20. The computer-readable medium as claimed in claim 19, wherein said set of instructions further includes additional instructions, which when executed by said processor, cause said processor to perform said method further comprising:

determining a set of available resources that will be available after said block of code has executed.

- 21. The computer-readable medium as claimed in claim 19 wherein said needed resources comprise stack contents .
- 22. The computer-readable medium as claimed in claim 19 wherein said set of needed resources is determined dynamically.

- 23. The computer-readable medium as claimed in claim 19 wherein signaling said error if said set of resources needed for said block of code are not available comprises branching to a fault handler routine.
- 24. The computer-readable medium as claimed in claim 23 wherein signaling said fault handler routine simulates a processor exception.
- 25. The computer-readable medium as claimed in claim 19 wherein needed resources are represented by a bit vector.